

Converting Colors

Yxy(67.6127, 0.3004, 0.5997)

Have a look what the booklet for
Yxy(67.6127, 0.3004, 0.5997)
contains.

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Color

Yxy(67.7965, 0.3004, 0.5997)

Conversions

Conversions Part 1

Format	Color
Hex	07F900
RGB	7, 249, 0
RGB Percent	3%, 98%, 0%
CMY	0.9736, 0.0235, 1.0000
CMYK	0.97, 0.00, 1.00, 0.02
HSL	118°, 100%, 49%
HSV	118°, 100%, 98%
XYZ	33.9604, 67.7965, 11.2938
YIQ	148.2560, -64.3030, -128.7430

Conversions

Conversions Part 2

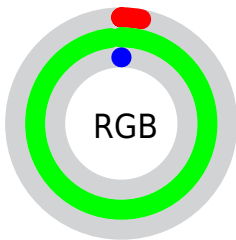
Format	Color
RYB	0, 249, 242
Decimal	522496
CIELab	85.90, -84.45, 81.73
CIELCh	86, 117.518, 135.937
Yxy	67.7965, 0.3004, 0.5997
Android (android.graphics.Color)	4278712576 (0xFF07F900)
YUV	148.2560, -73.0902, -123.8815
Hunter-Lab	82.3386, -70.4706, 49.5047

Details

The Yxy color **67.7965, 0.3004, 0.5997** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **25.7662, 0.3141, 0.1504**, and the grayscale version is **30.0251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1973, 0.3150, 0.5304**, and **37.2616, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.7994, 0.3004, 0.5997**, and if you desaturate by 10%, it is **68.1164, 0.3011, 0.5925**.

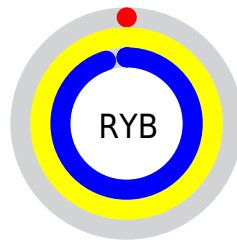
Distribution



Red (3%)

Green (98%)

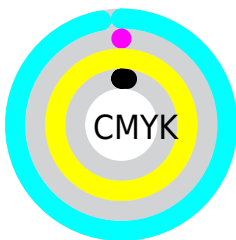
Blue (0%)



Red (0%)

Yellow (98%)

Blue (95%)

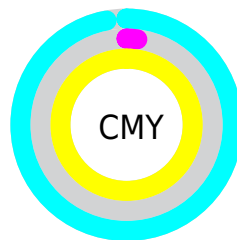


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (97%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7965, 0.3004, 0.5997 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 67.7965, 0.3004, 0.5997 by changing the saturation by 10% instead.

 67.7965, 0.3004,
0.5997


 67.7965, 0.3004,
0.5997


452.7747, 0.3196,
0.4645

 49.7322, 0.2918,
0.6303


 116.0610, 0.3104,
0.5523


 35.2007, 0.2790,
0.6667

 147.0299, 0.3133,
0.5339


 23.8175, 0.2598,
0.7097

 183.0692, 0.3153,
0.5181

 15.1983, 0.2329,
0.7671

 224.5633, 0.3168,
0.5044

 8.9587, 0.1865,
0.8135

 271.8964, 0.3179,
0.4925

 4.7142, 0.1235,
0.8765

 325.4531, 0.3187,

 2.0806, 0.0000,

0.4820

1.0000

385.6177, 0.3192,
0.4727

■ 0.6537, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7965, 0.3004,
0.5997

■ 67.7965, 0.3004,
0.5997

■ 67.7994, 0.3004,
0.5997

■ 68.1164, 0.3011,
0.5925

■ 68.8021, 0.3023,
0.5771

■ 69.9400, 0.3037,
0.5533

■ 71.5901, 0.3053,
0.5226

■ 73.8031, 0.3069,
0.4879

■ 76.6236, 0.3085,
0.4519

■ 80.0919, 0.3098,
0.4168

■ 84.2446, 0.3110,
0.3842

■ 89.1158, 0.3119,
0.3549

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.7965, 0.4187, 0.5539



67.7965, 0.3004, 0.5997



67.7965, 0.1905, 0.4937

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7965, 0.3004, 0.5997



67.7965, 0.1167, 0.1502



67.7965, 0.5426, 0.2873

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.7965, 0.3004, 0.5997



25.7662, 0.3141, 0.1504

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.7965, 0.4120, 0.2169



67.7965, 0.3004, 0.5997



67.7965, 0.1678, 0.1427

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7965, 0.3004, 0.5997



67.7965, 0.1016, 0.1981



67.7965, 0.2669, 0.1657



67.7965, 0.5791, 0.3652

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7965, 0.3004, 0.5997



67.7965, 0.1388, 0.3695



67.7965, 0.2669, 0.1657



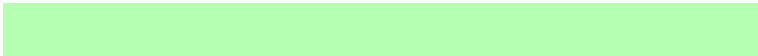
67.7965, 0.5067, 0.2627

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67.7994, 0.3004, 0.5997



84.5261, 0.3098, 0.4170



82.8785, 0.4253, 0.5005



17.7431, 0.3093, 0.4315



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7994, 0.3004, 0.5997



71.5645, 0.3004, 0.5997



69.0217, 0.2764, 0.5150



19.3316, 0.3120, 0.3535



36.2992, 0.3006, 0.5996



3.3696, 0.3020, 0.5984

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.7662, 0.3141, 0.1504



27.1960, 0.3141, 0.1504



21.8292, 0.4855, 0.2448



17.4992, 0.3134, 0.3056



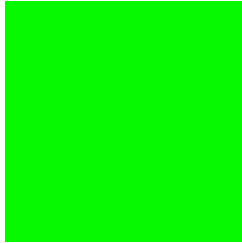
13.8020, 0.3142, 0.1504



1.2856, 0.3150, 0.1509

Previews

White Background



This preview shows how the Yxy color 67.7965, 0.3004, 0.5997 looks on a white background.

Color Contrast Check

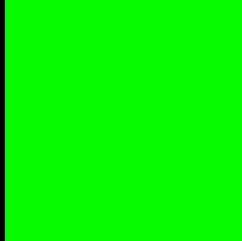
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 67.7965, 0.3004, 0.5997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

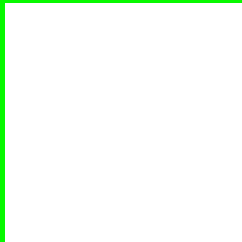
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7965, 0.3004, 0.5997

Background



This preview shows how black text looks on a background with the Yxy color 67.7965, 0.3004, 0.5997.



This preview shows how white text looks on a background with the Yxy color 67.7965, 0.3004, 0.5997.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

67.7965, 0.3004, 0.5997

Protanopia

66.1138, 0.4409, 0.4881

Deuteranopia

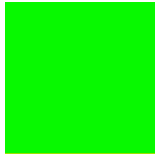
66.2787, 0.4159, 0.4148



Tritanopia

67.0572, 0.2355, 0.3057

Trichromacy



Original Color

67.7965, 0.3004, 0.5997



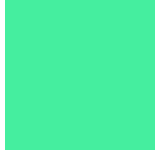
Protanomaly

61.3613, 0.3643, 0.5490



Deuteranomaly

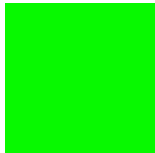
60.2340, 0.3583, 0.5056



Tritanomaly

64.9175, 0.2664, 0.4402

Monochromacy



Original Color

67.7965, 0.3004, 0.5997



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

38.0475, 0.3076, 0.4816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7965, 0.3004, 0.5997 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(7, 249, 0)` looks like.

```
.text, #text, p{  
    color:rgb(7, 249, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(7, 249, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 249, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.7965, 0.3004, 0.5997 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(7, 249, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(7, 249, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(7, 249, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 249, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 249, 0); box-shadow:4px  
4px 4px 4px rgb(7, 249, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7965, 0.3004, 0.5997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 249, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(7, 249,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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